

WEST
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L2: Entry 4 of 6

File: DWPI

May 22, 2001

DERWENT-ACC-NO: 2000-224122

DERWENT-WEEK: 200132

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TITLE: Control of weeds in tolerant maize crops uses herbicidal combination containing glufosinate, glyphosate, imidazolinone, azole, cyclohexanedione or heteroaryloxyphenoxypropionic acid herbicide

INVENTOR: BIERINGER, H; HACKER, E ; WILLMS, L

PATENT-ASSIGNEE: AVENTIS CROPSCIENCE GMBH (AVET), HOECHST-SCHERING AGREVO GMBH (AGRE)

PRIORITY-DATA: 1999DE-1019993 (April 30, 1999), 1998DE-1036737 (August 13, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
BR 9913638 A	May 22, 2001	N/A	000	A01N057/20
WO 200008936 A1	February 24, 2000	G	069	A01N057/20
AU 9957321 A	March 6, 2000	N/A	000	A01N057/20
DE 19919993 A1	November 2, 2000	N/A	000	A01N057/20

PD → DESIGNATED-STATES: AE AL AM AU AZ BA BB BG BR BY CA CN CR CU CZ DM EE GD GE HR HU ID IL IN IS JP KG KP KR KZ LC LK LR LT LV MD MG MK MN MX NO NZ PL RO RU SG SI SK SL TJ TM TR TT UA UZ VN YU ZA AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
BR 9913638A	August 10, 1999	1999BR-0013638	N/A
BR 9913638A	August 10, 1999	1999WO-EP05796	N/A
BR 9913638A		WO 200008936	Based on
WO 200008936A1	August 10, 1999	1999WO-EP05796	N/A
AU 9957321A	August 10, 1999	1999AU-0057321	N/A
AU 9957321A		WO 200008936	Based on
DE 19919993A1	April 30, 1999	1999DE-1019993	N/A

INT-CL (IPC) : A01N 43/50; A01N 57/20; A01N 57/20; A01N 47/36; A01N 47/06; A01N 43/90; A01N 43/824; A01N 43/80; A01N 43/70; A01N 43/50; A01N 43/40; A01N 43/10; A01N 41/10; A01N 39/04; A01N 37/40; A01N 37/22; A01N 33/18

RELATED-ACC-NO: 2000-206893

ABSTRACTED-PUB-NO: WO 200008936A

BASIC-ABSTRACT:

NOVELTY - Weeds in tolerant maize crops are controlled by the application of a herbicidal combination comprising a glufosinate (I) or its esters, salts or phosphinothricin derivatives, glyphosate (II) or its ester or salt, imidazolinone, protoporphyrinogen oxidase-inhibiting azole, cyclohexanedione or heteroaryloxyphenoxypropionic acid herbicide and selective or non-selective

herbicides.

DETAILED DESCRIPTION - Control of weeds in tolerant maize crops comprises the application of a herbicidal combination comprising:

(A) a glufosinate of formula (I) or its esters, salts or phosphinothricin derivatives, glyphosate of formula (II) or its esters and salts, imidazolinone, protoporphyrinogen oxidase-inhibiting azole, cyclohexanedione or heteroaryloxyphenoxypropionic acid herbicide; and

(B) herbicide(s) which are: (a) structurally different from herbicides (A); (b) active against monocot and dicot weeds via foliage or soil; (c) active selectively against dicots in maize; and/or (d) active selectively predominantly against dicot weeds via foliage or soil; and

(C) optionally a safener.

Z = OH, -NHCH(CH₃)CONHCH(CH₃)COOH or -NHCH(CH₃)CONHCH(CH₂CH(CH₃)₂)COOH.

INDEPENDENT CLAIMS are also included for:

(i) the use of the combination for regulating the growth of maize plants or for influencing the yield or components of maize; and

(ii) a herbicidal composition containing (A) and cyanazine, acetochlor, alachlor, terbutryn, benoxacor, fluthiamide, sulcotrione, mesotrione, pentoxazamid, pendimethalin, iodosulfuron, metosulam, isoxaflutole, metribuzin, cloransulam, flumetsulam, florasulam, isoxachlortole, bromoxynil, clopyralid, carfentrazone, Lab271272, halosulfuron, diflufenzopyr and/or sulfosulfuron as (B) and optionally adjuvants and formulation aids.

USE - The method is used especially for the control of weeds, e.g. Digitaria sanguinalis, Panicum dichotomiflorum, Euphorbia heterophylla, Phagopyron esculentum, Lolium multiflorum, Avena fatua and Sorghum halepense in tolerant or resistant mutant or transgenic maize crops.

ADVANTAGE - Combination of (A) and (B) has a synergistic effect. This confers economical and economical benefits, including the use of lower doses of (A) and (B), broader efficacy, extension of the treatment period and/or reduction in the number of applications required.

ABSTRACTED-PUB-NO: WO 200008936A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: C01

CPI-CODES: C05-B01P; C06-D08; C06-H; C07-D09; C07-D13; C07-H; C10-D03; C10-F02; C14-V02B;

WEST**Generate Collection****Search Results - Record(s) 1 through 6 of 6 returned.** 1. Document ID: US 20010004628 A1

L2: Entry 1 of 6

File: PGPB

Jun 21, 2001

PGPUB-DOCUMENT-NUMBER: 20010004628
PGPUB-FILING-TYPE: new-utility
DOCUMENT-IDENTIFIER: US 20010004628 A1

TITLE: Herbicidal composition

PUBLICATION-DATE: June 21, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ruegg, Willy	Gipf-Oberfrick		CH	

US-CL-CURRENT: 504/129[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KIMC](#) | [Draw Desc](#) | [Image](#) 2. Document ID: US 6187920 B1

L2: Entry 2 of 6

File: USPT

Feb 13, 2001

US-PAT-NO: 6187920
DOCUMENT-IDENTIFIER: US 6187920 B1

TITLE: Pyridazinone derivatives

DATE-ISSUED: February 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Komori; Takashi	Toyonaka	N/A	N/A	JPX

US-CL-CURRENT: 544/239; 504/238, 544/237, 544/238, 560/168[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KIMC](#) | [Draw Desc](#) | [Image](#) 3. Document ID: US 6114286 A

L2: Entry 3 of 6

File: USPT

Sep 5, 2000

US-PAT-NO: 6114286
 DOCUMENT-IDENTIFIER: US 6114286 A

TITLE: Pyrimidinone derivatives

DATE-ISSUED: September 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takano; Minoru	Kameoka	N/A	N/A	JPX

US-CL-CURRENT: 504/240; 504/241, 544/281, 544/282

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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4. Document ID: BR 9913638 A, WO 200008936 A1, AU 9957321 A, DE 19919993 A1

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AU 9957321 A	March 6, 2000	N/A	000	A01N057/20
DE 19919993 A1	November 2, 2000	N/A	000	A01N057/20

INT-CL (IPC): A01N 43/50; A01N 57/20; A01N 57/20; A01N 47/36; A01N 47/06; A01N 43/90; A01N 43/824; A01N 43/80; A01N 43/70; A01N 43/50; A01N 43/40; A01N 43/10; A01N 41/10; A01N 39/04; A01N 37/40; A01N 37/22; A01N 33/18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Clip Img	Image
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5. Document ID: JP 2000053509 A, FR 2781983 A1

L2: Entry 5 of 6

File: DWPI

Feb 22, 2000

DERWENT-ACC-NO: 2000-208780

DERWENT-WEEK: 200020

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TITLE: Synergistic herbicidal composition contains 2-chloro-4-fluoro-5-(4-methyl--5-trifluoromethyl pyridazin-3-on-2-yl) phenoxy acetic ester and sulcotrione, mesotrione, isoxaflutole or isoxachlortole

INVENTOR: MITO, N

PRIORITY-DATA: 1998JP-0221585 (August 5, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2000053509 A	February 22, 2000	N/A	008	A01N043/54
FR 2781983 A1	February 11, 2000	N/A	020	A01N043/58

INT-CL (IPC): A01N 35/06; A01N 43/54; A01N 43/58; A01N 43/76; A01N 43/80; A01N 41/10; A01N 43/58; A01N 43/76; A01N 43/80

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn Desc	Image
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6. Document ID: BR 9912823 A, WO 200003592 A2, AU 9952812 A, DE 19928453 A1, EP 1096854 A2

L2: Entry 6 of 6

File: DWPI

May 2, 2001

DERWENT-ACC-NO: 2000-182300

DERWENT-WEEK: 200129

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TITLE: Synergistic selective herbicidal composition, especially for use in rice, containing sulfuron and e.g. clethodim, bentazone or nicosulfuron

INVENTOR: AULER, T; BIERINGER, H ; HACKER, E ; MELENDEZ, A

PRIORITY-DATA: 1999DE-1028453 (June 24, 1999), 1998DE-1032017 (July 16, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
BR 9912823 A	May 2, 2001	N/A	000	A01N047/36
WO 200003592 A2	January 27, 2000	G	051	A01N000/00
AU 9952812 A	February 7, 2000	N/A	000	A01N000/00
DE 19928453 A1	December 28, 2000	N/A	000	A01N047/36
EP 1096854 A2	May 9, 2001	G	000	A01N047/36

INT-CL (IPC): A01N 0/00; A01N 47/36

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Drawn Desc	Clip Img	Image
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